



# Roku 4 Motherboard Replacement

This guide is for replacing the motherboard of your Roku 4.

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## INTRODUCTION

The motherboard is a piece of circuitry that serves as the device's circuit board. The primary internal parts of the Roku 4 are all attached to the motherboard. This disassembly guide will serve as the core to further internal disassembly, as you will be able to fix other parts from here.

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### TOOLS:

- [iFixit Opening Tools](#) (1)
  - [Philips Head Screwdriver: Size PH1](#) (1)
  - [Soldering Station](#) (1)
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## Step 1 — Motherboard



- Place the Roku 4 face-down on a table. The rubber sticker should be facing you.

## Step 2



- Starting at one corner of the device, pull the rubber sticker back toward the opposite corner of the device carefully to reveal the underlying screws.
- Completely remove the rubber sticker to reveal the underlying screws on the device.
- ☑ Place the rubber sticker facing up on the table to preserve its adhesiveness. It will be needed to reassemble the device.

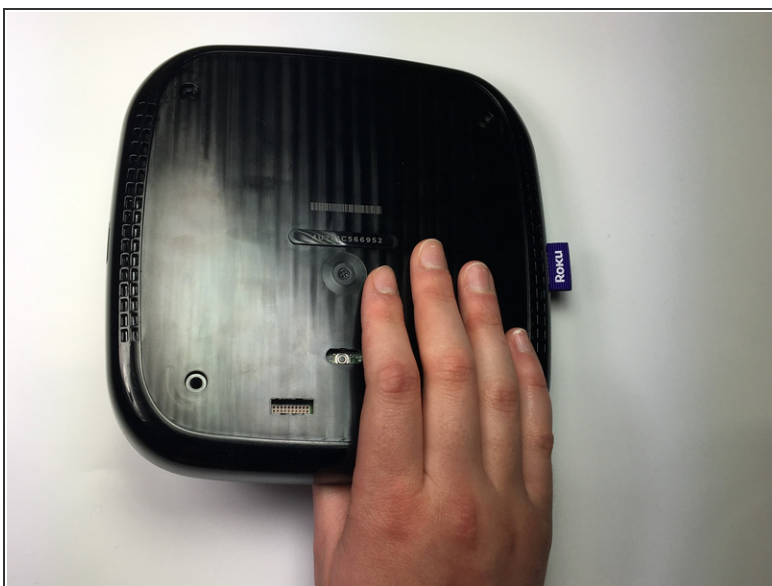


## Step 3



- Turn the Phillips PH1 screwdriver counterclockwise to unscrew all 4 of the 12.0 mm screws.
- ☑ Store the screws in a safe place, such as on a magnetic project mat, so they do not get lost before reassembly.

## Step 4



- Turn the device over so you can see the "4" on the top cover.

## Step 5



- Wedge a plastic opening tool into the seam between the top cover and bottom casing of the device and create a gap.

⚠ Prying open the device is quite difficult and requires a large amount of force. Use caution to avoid breaking the device or hurting yourself.

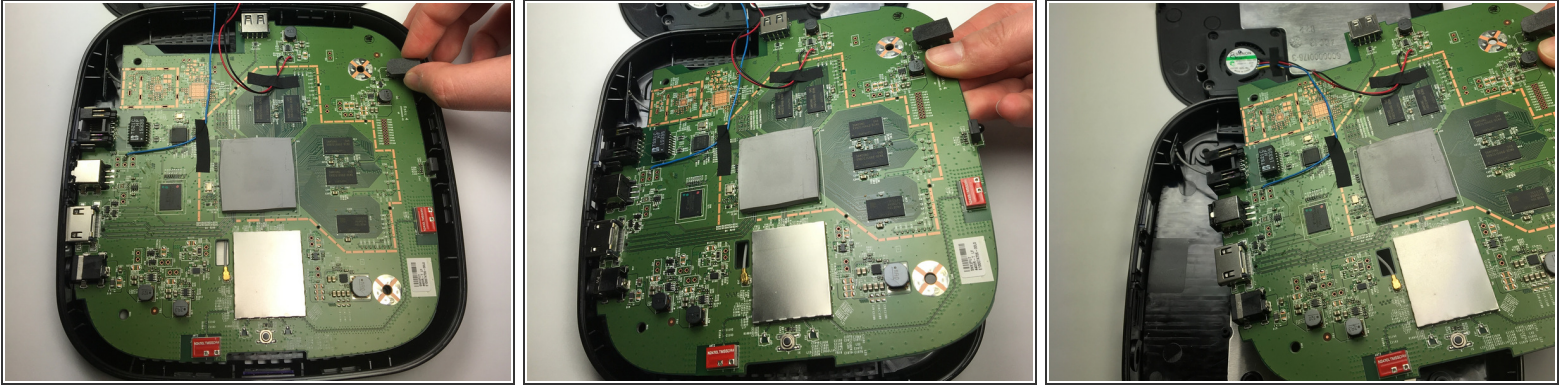
## Step 6



- After you have created a gap large enough to fit your fingers between, gently lift up the top cover to open the device and reveal the motherboard.
- ⓘ The motherboard should still be attached to the underside of the top cover by a red wire, a blue wire, and a black wire.

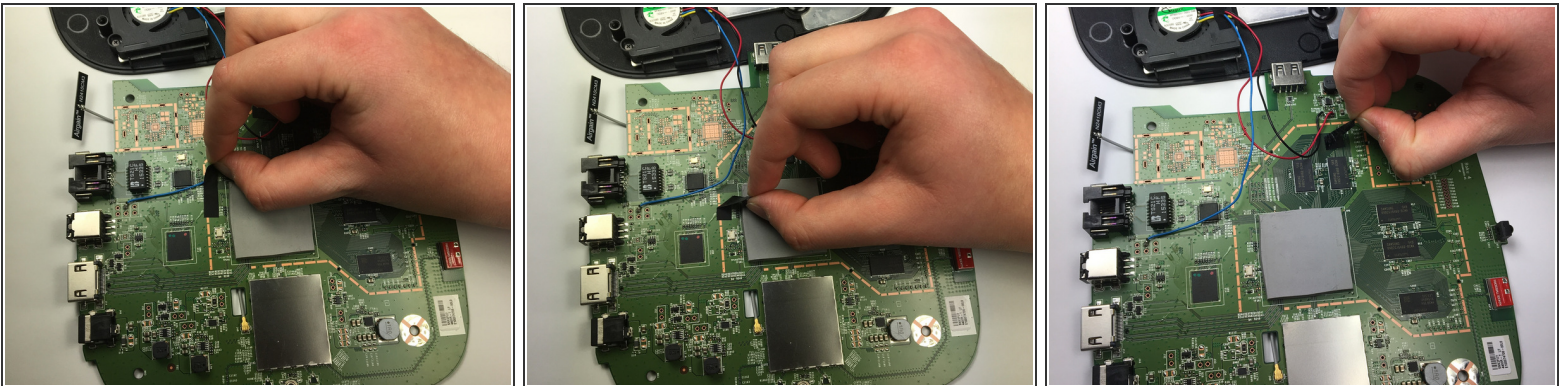


## Step 7



- To begin removing the motherboard from the plastic casing, pinch the black plastic clip and gently pull upward.
  - Once you feel the motherboard begin to loosen from the plastic casing, pull it upward to remove it completely.
- i** The motherboard should still be attached to the underside of the top cover by a red wire, a blue wire, and a black wire.

## Step 8



- Peel back the black adhesive strip that attaches the blue wire to the motherboard.
- Repeat this step for the strip that attaches the black and red wires to the motherboard.

## Step 9



- Using a soldering iron, desolder the blue, red, and black wires from the motherboard.

⚠ Consult iFixit's [Soldering Skills](#) guide to safely use the soldering iron.

ⓘ The motherboard should now be completely disconnected from the top cover of the device.

Follow these steps in the reverse order to reassemble your device.

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